

51027 to 51033—Continued.

fruits from some of the wild trees are harvested by the natives and carried into the villages, where they are sold.

"This species will be studied further to determine its relationship with the cultivated avocados. It is introduced with this object in view and in the hope that it may prove to be a vigorous stock plant on which to graft some of the cultivated avocados."

For further description, see S. P. I. No. 50585.

For illustrations of the tree and of a fruit of the wild avocado, see Plates V and VI.

51032. *PERSEA CAERULEA* (Ruiz and Par.) Mez. Lauraceæ.

"(No. 399a. June 18, 1920.) From the mountains near Frailes, Costa Rica. Altitude, about 5,500 feet. Seeds of a common tree in this region, found usually in half-open places of the mountainsides and not in the dense forest. It reaches about 30 feet in height, and has a leaf strongly resembling that of *Persea americana* but more narrow than in many varieties of the latter. The fruits, which are produced abundantly in racemes, are black, the size of large peas, with very little pulp surrounding the seed. Introduced for trial as a stock plant for the avocado."

51033. *RUBUS COSTARICANUS* Liebm. Rosaceæ.

Blackberry.

"(No. 401a. June 18, 1920.) Seeds of a wild blackberry, *mora*, from Frailes, Costa Rica. Altitude, about 5,500 feet. The plant is a vigorous, bushy grower, and the fruits, which are produced in reasonable profusion, are composed of few large drupelets, making them somewhat different in appearance from the common blackberries of the North. They are of good flavor, but not very large—rarely more than three-quarters of an inch long but nearly as broad as long. Of interest to those engaged in blackberry breeding."

51034 to 51036.

From Buitenzorg, Java. Seeds presented by the director, Plant-Breeding Station. Received July 7, 1920.

51034 and 51035. *CUCURBITA PEPO* L. Cucurbitaceæ.

Gourd.

The following varieties were received without description.

51034. *Laboe deppe*.

51035. *Laboe Batik hawaek*.

51036. *PLACUS BALSAMIFER* (L.) Bail. Asteraceæ.

(*Blumea balsamifera* DC.)

A rather bushy woolly plant with a tall branched stem and leathery leaves 4 to 8 inches long. The flowers, borne in numerous small heads, have red pappus. The whole plant smells strongly of camphor which may, indeed, be prepared from it, and a warm infusion of the leaves acts as a pleasant sudorific. (Adapted from Watt, *Dictionary of the Economic Products of India*, vol. 1, p. 458.)

51036. *PLACUS BALSAMIFER* (L.) Bail. Asteraceæ.

From Kashmir, India. Seeds presented by Charles Hadow, British Embassy, Washington, D. C. Received July 7, 1920.